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National Standards Authority of Ireland

STANDARD

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COMMUNICATION CABLES - SPECIFICATIONS FOR TEST METHODS, PART 1-14: ELECTRICAL TEST METHODS - COUPLING ATTENUATION OR SCREENING ATTENUATION OF CONNECTING HARDWARE

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English version

Communication cables – Specifications for test methods Part 1-14: Electrical test methods – Coupling attenuation or screening attenuation of connecting hardware

Câbles de communication – Spécifications des méthodes d'essai Partie 1-14: Méthodes d'essais électriques – Affaiblissement de couplage ou affaiblissement de blindage du matériel de connexion

Kommunikationskabel – Spezifikationen für Prüfverfahren Teil 1-14: Elektrische Prüfverfahren - Kopplungsdämpfung oder Schirmdämpfung für Verbindungstechnik

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

This European Standard was prepared by the Technical Committee CENELEC TC 46X, Communication cables.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50289-1-14 on 2004-02-01.

The following dates were fixed:

– latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2005-02-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2007-02-01

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1 Scope

This Part 1-14 of EN 50289 details the method of test to determine the coupling attenuation or screening attenuation for connecting hardware used in analogue and digital communication systems. The test method details means to test one part of a connecting hardware (e. g. wall outlet or plug alone) as well as testing a mated pair of connecting hardware. It is to be read in conjunction with EN 50289-1-6.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 50289-1-6 Communication cables – Specification for test methods – Part 1-6: Electrical test methods – Electromagnetic performance

EN 50290-1-2 [1)] Communication cables – Part 1-2: Definitions

3 Definitions

For the purposes of this European Standard, the definitions of EN 50290-1-2 and EN 50289-1-6 apply.

In this document connecting hardware is defined as a complete connecting device including compensating or matching networks (if any), connectors and cable terminations.

4 Test method

4.1 Equipment

4.1.1 General

See EN 50289-1-6, subclause 9.2.1.1 and Figure 1 below.

The connecting hardware under test shall be terminated using the termination method and a cable type for which it is constructed. If only one part of the connecting hardware is under test, a test head shall be used to mate the part under test.

[1)] Under consideration.

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